

## U.S. Department of Energy

## ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Anti-Idling Vehicle Emission Reduction

Activity: 7. Transportation

Activity Status:	Active	% of Work Complete:	80
Planned Start Date:	10/01/2010	Planned End Date:	12/31/2010
Actual Start Date:	10/01/2010	Actual End Date:	
Proposed Activity Budget:	\$65,000.00	Planned Outlays For this Period:	\$59,187.00

## Description:

The City of Arlington, Texas with a population of 371,038 population falls under a non-attainment area for carbon monoxide, ozone, and particulate matter. There are several designated hot spots due to the high amount of emissions generated from fuel sources including idle emissions. This increases the need for maximum fuel efficiency in all vehicle operations. The City of Arlington, Texas is including in its application an idle reduction technology project consistent with the EECBG's Development and Implementation of Transportation programs and other consistent activities. The city of Arlington will be utilizing 16 idle reduction technology units for city vehicle. As one of largest sources for idle emissions, the City of Arlington is revolutionizing its fleet (Police, Fire, Water, Public Works, Parks & Rec and Code Enforcement) to include maximum efficiency. This idle reduction technology contains a dry, non hazmat, solid state cell that is 98% recyclable. The anti-idling units will be maximizing resources available for the City of Arlington services for public safety services by displacing up to 48,000 gallons of gasoline, saving up to an estimated \$135,840 on fuel costs, reducing almost 1.104 million pounds of Carbon Dioxide emissions, and over 1.68 million wear and tear miles reduced over the three year life of the project. The City of Arlington anti-idling project will not only reduce millions of pounds of emissions over the life of the project, but will free up hundreds of thousands of dollars over its project life to be used for other essential City services. The region's non-attainment location only expedites the need for this project. This anti-idling project is consistent with the goals of American Recovery and Reinvestment Act (ARRA) funds and the goals of the U. S. Department of Energy (DOE) by maximizing efficiency in city vehicles, by displacing gallons of gasoline and reducing emissions. DOE desired outcomes from this activity include: -accelerated deployment of market-ready distributed renewable energy technologies; -improved air quality and related environmental and health indicators associated with the reduction of fossil-fuel emissions; -increased energy-efficiency, reduced energy consumption and reduced energy cost through efficiency improvements in the building, transportation and other appropriate sectors; Proposed number of jobs created, energy savings and emissions reductions reported on the top of this sheet reflect the results of using the DOE EECBG Estimated Expected Benefits Calculator.

### ACTIVITY MILESTONES

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Installation of anit-idling technology on selected fleet vehicles.								
10/01/2010	11/30/2010	65,000	10/18/2010		0	31,509	31,509	Delayed
Monitoring of pilot program for fuel usage, cost and GHG reductions associated with decreased idling.								
12/05/2010	12/05/2012	0			0	0	0	
Begin work with vendor to provide sole source provider documentation.								
03/01/2010	04/30/2010	0	04/01/2010	08/30/2010	0	0	0	Delayed
Develop baseline fuel use for all participating vehicles to tracking future fuel and GHG reductions								
07/19/2010	09/30/2010	0			0	0	0	

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Activity Title: Anti-Idling Vehicle Emission Reduction - continued -

Activity: 7. Transportation

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Negotiate and execute contract.								
06/08/2010	06/25/2010	0	06/01/2010	08/30/2010	5,813	0	5,813	Delayed
Identify fleet units to have anti-idling technology installations.								
05/02/2010	07/16/2010	0	06/01/2010	08/16/2010	0	0	0	Delayed

**REQUIRED METRICS**

**Jobs Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Jobs</b>					
Hours worked		Total hours worked through Recovery Act funds (hrs)	0.0000	0.0000	0.0000
Hours worked		Total hours worked through Non-Federal funds (hrs)	0.0000		0.0000

**Financial Metrics**

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Recipient</b>				
<b>Vendor</b> Organization: Energy Xtreme (Contract#: PO 101395)	\$5,813.00	Oct: Nov Dec      \$31,509.00	\$31,509.00	\$37,322.00
<b>Total:</b>	<b>\$5,813.00</b>		<b>\$31,509.00</b>	<b>\$37,322.00</b>
<b>Total Outlays:</b>	<b>\$5,813.00</b>		<b>\$31,509.00</b>	<b>\$37,322.00</b>

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Activity: 7. Transportation

**REQUIRED METRICS**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Leveraged Funds</b>					
<b>Obligations</b>					
Recovery Act funds obligated		Funds Obligated (\$)	\$0	\$20,816	\$20,816
<b>Obligations (cumulative thru 03/31/10)</b>					

<b>Process Metrics</b>					
Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Transportation</b>					
Conventional vehicles converted to alternative fuel use		Vehicles converted (count)	0	6	6

<b>Impact Metrics (Enter applicable metrics)</b>					
Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Energy Cost Savings</b>					
Dollars Saved		Dollars Saved (\$)	\$0	\$0	\$0
<b>Renewable Energy Capacity and Generation</b>					
<b>Energy Savings</b>					
Reduction in gasoline consumption, by sector	Sectors: Public;	Reduction in gasoline and diesel fuel consumption (gallons/year)	0.0000	0.0000	0.0000
<b>Emissions Reductions</b>					
Greenhouse gases reduced		Greenhouse gases reduced (metric tons CO2 equiv./year)	0.0000	0.0000	0.0000

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Activity: 7. Transportation

**OPTIONAL METRICS**

**Other Process Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
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**QUALITATIVE DESCRIPTIONS**

<b>Infrastructure Investment Rationale</b>	<input type="checkbox"/> <b>Is Infrastructure Investment</b>
<hr/>	
<b>What we planned to accomplish this period</b> Complete installation on all pilot vehicles.	
<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b> Yes	
<b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b> <hr/>	
<b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b> Delays in getting units installed on vehicles due to scheduling issues and COA getting new fleet incorporated into fleet for idling unit installation.	
<b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b> <hr/>	
<b>Lessons Learned</b> <hr/>	
<b>What we expect to accomplish during the next period</b> Finalization of installations, trouble shooting of any units as needed, training on the monitoring software for reporting results/usage.	
<b>Remarks</b> <hr/>	

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Grant Number: EE0000959

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Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: City Facility Services Building EE Project

Activity: 5. Energy Efficiency Retrofits

Activity Status:	Completed	% of Work Complete:	100
Planned Start Date:	10/01/2009	Planned End Date:	03/31/2010
Actual Start Date:	10/19/2009	Actual End Date:	07/30/2010
Proposed Activity Budget:	\$274,415.00	Planned Outlays For this Period:	\$0.00

**Description:**

This project consists of the replacement of existing heating, ventilation and air conditioning (HVAC) systems with new energy efficient HVAC equipment. Existing duct-work systems that have insufficient insulation and numerous penetrations will be replaced with new insulated duct-work with sealed joints to eliminate air leaks that exist in the current system. The building envelope will be renovated, and perimeter penetrations in the existing perimeter walls and roof will be sealed to eliminate existing air leaks in the building. The building square footage is 21,000 sf. The area we are renovating is 13,233 sf. 199 existing light fixtures will be replaced with new energy efficient fixtures. The existing T-12 fluorescent lamped light fixtures will be replaced with energy efficient T-8 light fixtures with lamp, with sensor controls and dual switching to save energy by cutting off fixtures in non-occupied rooms. R-19 Batt insulation will be installed above office ceiling spaces to improve energy efficiency. Expected energy savings from replacement of the HVAC systems, and duct-work will be approximately twenty percent (20%). Energy savings expected from sealing the building envelope is five percent (5%). Replacement of the T-12 fluorescent light fixtures with T-8 fluorescent light fixtures will be five percent (5%). Total anticipated energy savings on this renovation project will be 30%. The existing 10 air condition units are 10 to 25 years old with a SEER rating of 10 or less: (5) 7.5 tons (2) 5 tons (1) 3 tons (2) existing to remain The new 12 units are: (2) 7.5 tons (2) 5 tons (1) 4 tons (2) 3.5 tons (3) 3 tons (2) 2 tons Existing mechanical systems and related duct work will remain in the warehouse, an existing Library area, and a raised floor small computer room that is not part of the renovation. The mechanical units that will be replaced are fifteen years old and will be replaced with new equipment that will have SEER ratings that vary from 13.25 to 14.5. DOE desired outcomes from this project include: -New jobs and increased productivity to spur economic growth and community development -improved air quality and related environmental and health indicators associated with the reduction of fossil fuel emissions -Increased energy-efficiency, reduced energy consumption, and reduced energy cost through efficiency improvements in existing buildings and facilities Proposed number of jobs created, energy savings and emissions reductions reported on this sheet were developed using the DOE EECBG Estimated Expected Benefits Calculator.

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Project Completion								
05/31/2010	05/31/2010	47,035	06/01/2010	07/30/2010	17,928	0	17,928	Delayed
General Contractor asked for details for waste disposal and recycling for NEPA compliance.								
01/24/2010	02/15/2010	0	01/24/2010	02/26/2010	0	0	0	Delayed
Begin Phase 2 construction. 75% EE work completed by end of January- Heating, ventilation and Air Conditioning systems (HVAC), ductwork and lighting.								
10/01/2009	01/31/2010	65,550	10/19/2009	03/31/2010	230,237	0	230,237	Delayed
General Contractor providing certified payroll to comply with the Davis-Bacon Act on a weekly basis								
12/04/2009	03/31/2010	0	12/04/2009	07/30/2010	0	0	0	Delayed

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Activity Title: City Facility Services Building EE Project - continued -

Activity: 5. Energy Efficiency Retrofits

### ACTIVITY MILESTONES

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Phase 3 construction- 90% EE Work Completed.								
02/01/2010	02/28/2010	30,000	04/01/2010	04/13/2010	26,250	0	26,250	Delayed

### REQUIRED METRICS

#### Jobs Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Jobs</b>					
Jobs created through Recovery Act funds		Number of jobs created	0.0000		0.0000
Hours worked		Total hours worked through Recovery Act funds (hrs)	3,010.0000	0.0000	3,010.0000
Hours worked		Total hours worked through Non-Federal funds (hrs)	1,847.0000		1,847.0000

#### Financial Metrics

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Recipient</b>				
<b>Administrative</b>	\$205.80	Oct: Nov Dec	\$0.00	\$205.80
<b>Vendor</b> Organization: Turjack Construction Co., Ltd (Contract#: 9003X)	\$274,208.57	Oct: Nov Dec	\$0.00	\$274,208.57
<b>Total:</b>	<b>\$274,414.37</b>		<b>\$0.00</b>	<b>\$274,414.37</b>

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Activity Title: City Facility Services Building EE Project - continued -

Activity: 5. Energy Efficiency Retrofits

<b>Total Outlays:</b>	<b>\$274,414.37</b>		<b>\$0.00</b>	<b>\$274,414.37</b>
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Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Leveraged Funds</b>					
<b>Obligations</b>					
Recovery Act funds obligated		Funds Obligated (\$)	\$0	\$0	\$0
<b>Obligations (cumulative thru 03/31/10)</b>					

<b>Process Metrics</b>					
Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Building Retrofits</b>					
Buildings retrofitted, by sector	Sectors: Public;	Buildings retrofitted (count)	2	0	2
Buildings retrofitted, by sector	Sectors: Public;	Square footage retrofitted (sq.ft.)	23,158	0	23,158

<b>Impact Metrics (Enter applicable metrics)</b>					
Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Energy Cost Savings</b>					
Dollars Saved		Dollars Saved (\$)	\$0	\$586	\$586
<b>Renewable Energy Capacity and Generation</b>					
<b>Energy Savings</b>					
Reduction in electricity consumption, by sector	Sectors: Public;	Reduction in electricity consumption (MWh/year)	0.0000	5.7977	5.7977
<b>Emissions Reductions</b>					
Greenhouse gases reduced		Greenhouse gases reduced (metric tons CO2 equiv./year)	0.0000	0.0000	0.0000

**OPTIONAL METRICS**

<b>Other Process Metrics</b>					
Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date

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Activity Title: City Facility Services Building EE Project - continued -

Activity: 5. Energy Efficiency Retrofits

**QUALITATIVE DESCRIPTIONS**

**Infrastructure Investment Rationale**☐ Is Infrastructure Investment**What we planned to accomplish this period**

Tracking savings to begin reporting energy use reduction and associated dollar savings for the end of 2010 and the 2011 calendar year.

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.****Major Activities, Significant Results, Major Findings, and Key Outcomes****Actual or Anticipated Problems or Delays and Corrective Action Plan****Products Produced or Technology Transfer Activities Accomplished During the Reporting Period****Lessons Learned****What we expect to accomplish during the next period****Remarks**



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Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: City Tower EE Project

Activity: 5. Energy Efficiency Retrofits

Activity Status:	Active	% of Work Complete:	10
Planned Start Date:	06/01/2010	Planned End Date:	03/31/2011
Actual Start Date:	08/25/2010	Actual End Date:	
Proposed Activity Budget:	\$2,077,756.00	Planned Outlays For this Period:	\$20,000.00

## Description:

**REVISED- 8/11/2010**

The amended City Tower EE project will allow correction of several existing issues that will provide energy savings, improved air quality. The original plan to achieve energy savings for the City Tower was to construct a furred out wall system that would block off approximately 50% of the windows. This plan was developed because it was more economical than replacing the exterior window system and was driven by the original requested funding amount. If the awarded EECBG funds for the City Tower EE Project are combined with the awarded funds for the City Hall Public Space (1st Floor) EE Project, full replacement of the existing window system with insulated, low E storefront system can be implemented. The proposed insulated glass system provides energy savings as well as improve day-lighting of the perimeter spaces.

Additionally, a new make-up air system will be added to the building producing energy savings by remedying the negative air infiltration that draws in untreated outside air into the building through exterior doors as well as through the deteriorating gaskets of the existing windows. The addition of the make-up air system will pressurize and pre-treat the incoming fresh air by adding some cooling in the summer time, and de-humidify the air, significantly reducing the cold air infiltration in the winter and hot air in the summer, thus providing additional energy savings and conditioned outside air into the HVAC system that will result in better air quality.

To pressurize the building, the make up air system will be equipped with energy recovery units, which will aid in improving the energy required to heat and cool the building. The existing DDC system will allow us to accurately track the consumption and compare it to past utility data to verify the savings produced by these modifications.

The anticipated energy savings of the added make-up air system and replacing the single pane storefront system with a new insulated, low E storefront system will be fifteen (15%) percent. In addition, the CO2 emissions will be reduced by 19%.

A simulation to show anticipated energy savings with the window replacement and make up air system described above has been completed. The simulation shows an expected energy savings of \$78,451 / year, providing a return on investment for leveraged funds at approximately 4 years.

DOE desired outcomes from this project include:

- New jobs and increased productivity to spur economic growth and community development
- improved air quality and related environmental and health indicators associated with the reduction of fossil fuel emissions
- Increased energy-efficiency, reduced energy consumption, and reduced energy cost through efficiency improvements in existing buildings and facilities

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
95% Design submittal (Structural and MEP)								
02/02/2011	02/22/2011	25,100			0	0	0	
Begin Construction								
07/05/2011	08/01/2011	0			0	0	0	

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Activity Title: City Tower EE Project - continued -

Activity: 5. Energy Efficiency Retrofits

## ACTIVITY MILESTONES

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Bid project, review responses, select construction contractor- Bids due 3/24/2011								
03/08/2011	03/31/2011	0			0	0	0	
Begin Design Work- 50% design submittal (Structural and MEP)								
01/04/2011	02/01/2011	25,100			0	0	0	
Complete Design Work and Prepare Bid Document								
02/23/2011	03/07/2011	0			0	0	0	
Select Consultant and Negoitate Contract								
11/15/2010	12/31/2010	0	11/15/2010	12/31/2010	0	0	0	On-Time
Develop new proposal for City Tower project and seek DOE approval for budget amendment								
08/01/2010	08/31/2010	79	08/01/2010	08/26/2010	79	0	79	Ahead
Take contract to City Council for approval								
04/01/2011	04/29/2011	0			0	0	0	
Consultants RFQ advertisement- RFQ due 11/12/2011								
10/27/2010	11/12/2010	0	10/27/2010	11/12/2010	0	129	129	On-Time

## REQUIRED METRICS

### Jobs Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
Jobs					
Hours worked		Total hours worked through Recovery Act funds (hrs)	0.0000	0.0000	0.0000
Hours worked		Total hours worked through Non-Federal funds (hrs)	0.0000		0.0000

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Activity Title: City Tower EE Project - continued -

Activity: 5. Energy Efficiency Retrofits

**Financial Metrics**

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Recipient</b>				
<b>Direct Activity</b>	\$79.00	Oct: Nov Dec \$129.00	\$129.00	\$208.00
<b>Total:</b>	<b>\$79.00</b>		<b>\$129.00</b>	<b>\$208.00</b>
<b>Total Outlays:</b>	<b>\$79.00</b>		<b>\$129.00</b>	<b>\$208.00</b>

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Leveraged Funds</b>					
<b>Obligations</b>					
Recovery Act funds obligated		Funds Obligated (\$)	\$0	\$9,979	\$9,979
<b>Obligations (cumulative thru 03/31/10)</b>					

**Process Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Building Retrofits</b>					
Buildings retrofitted, by sector	Sectors: Public;	Buildings retrofitted (count)	0	0	0
Buildings retrofitted, by sector	Sectors: Public;	Square footage retrofitted (sq.ft.)	0	0	0

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Activity: 5. Energy Efficiency Retrofits

### REQUIRED METRICS

#### Impact Metrics (Enter applicable metrics)

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Energy Cost Savings</b>					
Dollars Saved		Dollars Saved (\$)	\$0	\$0	\$0
<b>Renewable Energy Capacity and Generation</b>					
<b>Energy Savings</b>					
Reduction in electricity consumption, by sector	Sectors: Public;	Reduction in electricity consumption (MWh/year)	0.0000	0.0000	0.0000
<b>Emissions Reductions</b>					

### OPTIONAL METRICS

#### Other Process Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
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### QUALITATIVE DESCRIPTIONS

<b>Infrastructure Investment Rationale</b>	<input type="checkbox"/> <b>Is Infrastructure Investment</b>
<b>What we planned to accomplish this period</b>	
Complete competitive process to contract with consultants for structural and MEP work.	
<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>	
Yes	
<b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>	
<b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>	

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Activity Title: City Tower EE Project - continued -

Activity: 5. Energy Efficiency Retrofits

**QUALITATIVE DESCRIPTIONS**

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**  
\_\_\_\_\_**Lessons Learned**  
\_\_\_\_\_**What we expect to accomplish during the next period**  
\_\_\_\_\_

The structural &amp; MEP design work to 95%Bid the construction project

**Remarks**  
\_\_\_\_\_

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Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Commercial Sustainability Outreach Program

Activity: 6. Buildings and Facilities

Activity Status:	Active	% of Work Complete:	33
Planned Start Date:	10/01/2009	Planned End Date:	09/30/2012
Actual Start Date:	10/01/2009	Actual End Date:	
Proposed Activity Budget:	\$250,500.00	Planned Outlays For this Period:	\$20,874.00

**Description:**

DOE Stimulus money will be used to fund a full-time position to oversee the expansion of Arlington's commercial recycling program, the Green Team, The commercial recycling coordinator targets and educates the business community about the benefits of commercial recycling and waste reduction while at the same time helping businesses set up recycling programs for employees, With the help of this stimulus grant the program's scope would be expanded to include the promotion and tracking of commercial energy and water conservation as well as transportation efficiency. - Funding will be used to retain one position over a three year period - Position promotes and educates businesses on energy efficiency, material conservation Expanding an Existing Program: The Green Team was launched in early 2008 and designed to promote recycling and solid waste reduction. The program's membership includes commercial properties, industrial and manufacturing, multi-family housing, and institutions such as the school district and city buildings. Expanding the program will retain current members (95 total) and recruit new members. - Recruiting 80 members per year is an achievable goal - All current members are long term committed to the program Focus: The business community is a significant consumer of resources and contributor of green house gases (GHG). Focusing on this segment of the Arlington community would significantly reduce GHG emissions, carbon footprint, and would benefit the community's overall environmental health. According to the City's carbon footprint analysis and information received from Arlington's Water & Utilities Department, the commercial, industrial, institutional sectors of Arlington consume 26% of the energy and 44% of the potable water. Educating business leaders, property managers, and building tenants about the benefits of energy and water conservation could go a long way towards reducing the emissions and environmental impact of businesses. Transportation accounts for the largest portion of the community's footprint both in terms of energy and GHG emissions. And while this cannot be attributed to the business community alone, there is still the potential for working with business to promote alternative commuting strategies for employees of Arlington businesses. Implementation: To encourage businesses to take part in voluntary energy, water, and transportation initiatives, the program would work on a tiered system to offer businesses different levels of participation, but also recognition, and together this would help foster a sense of competition amongst participants, driving them to achieve the higher tiers, The Green Team program currently employs various social marketing techniques to recruit new members and gain lasting commitment from those companies that join, To take the program to this tiered stage and incorporate energy, water, and transportation initiatives, the program would use the Chicago Green Office program as a template. - While it would be nice to have 100% of the members in the highest tier, 25% is more likely - Energy audits and efficiency efforts can be written in as a requirement for the base tier so that all joining would meet a certain minimum criteria for energy efficiency (e.g. all members will perform an energy audit in the three years prior to, or within six months of joining the program) Metrics: The commercial recycling coordinator position is currently in charge of tracking recycling and waste reduction for the Green Team program, but with the expansion of the program, the coordinator would then track and report on the energy, water, and GHG reductions of those businesses participating in the program. The funding will cover the salary of one current employee, listed above as job retained. Proposed number of jobs created, energy savings and emissions reductions reported on this sheet were the results of using the DOE ggCBG Estimated gpected Benefits Calculator. The City does not anticipate hiring an additional three people to operate this program.

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Commercial Sustainability Outreach Program - continued -

Activity: 6. Buildings and Facilities

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Menu Development - create and finalize the recognition system, program requirements, and what members will get for their various level of commitment to the program								
01/04/2010	03/12/2010	0	01/04/2010	03/12/2010	0	0	0	On-Time
Enroll in and complete audit training through an online course								
02/01/2010	03/12/2010	525	02/01/2010		0	0	0	On-Time
Transition Meetings -- Setup workshops and training education for existing Green Team members to educate them about the new program requirements.								
02/01/2010	03/31/2010	0	02/01/2010	03/31/2010	0	0	0	On-Time
Program Development - research and develop guidelines for the expansion of the Green Team v2.0 program - Commercial Sustainability								
10/01/2009	05/31/2010	46,000	10/01/2009	06/22/2010	0	0	0	Delayed
Green Team sustainability program launch - officially launch the program and recruit members to the Green Team using the developed menu and membership requirements.								
05/03/2010	06/30/2010	0	06/22/2010	06/22/2010	0	0	0	Ahead

**REQUIRED METRICS**

**Jobs Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Jobs</b>					
Jobs created through Recovery Act funds		Number of jobs created	1.0000		1.0000

**Financial Metrics**

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Recipient</b>				

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Commercial Sustainability Outreach Program - continued -

Activity: 6. Buildings and Facilities

**Financial Metrics**

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Recipient</b>				
<b>Direct Activity</b>	\$70,617.05	Oct: Nov Dec \$17,162.28	\$17,162.28	\$87,779.33
<b>Total:</b>	<b>\$70,617.05</b>		<b>\$17,162.28</b>	<b>\$87,779.33</b>
<b>Total Outlays:</b>	<b>\$70,617.05</b>		<b>\$17,162.28</b>	<b>\$87,779.33</b>

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Leveraged Funds</b>					
<b>Obligations</b>					
Recovery Act funds obligated		Funds Obligated (\$)	\$0	\$167,000	\$167,000
<b>Obligations (cumulative thru 03/31/10)</b>					

**Process Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Workshops, Training, and Education</b>					
Workshops, training, and education sessions, by sector	Sectors: Commercial;	Number of workshops, training, and education sessions held (count)	2	3	5
Workshops, training, and education sessions, by sector	Sectors: Commercial;	Number of people attending (count)	10	57	67
Workshops, training, and education sessions, by sector	Sectors: Industrial;	Number of workshops, training, and education sessions held (count)	2	0	2
Workshops, training, and education sessions, by sector	Sectors: Industrial;	Number of people attending (count)	6	0	6



U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Commercial Sustainability Outreach Program - continued -

Activity: 6. Buildings and Facilities

**REQUIRED METRICS**

**Process Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Workshops, Training, and Education</b>					
Workshops, training, and education sessions, by sector	Sectors: Institutional;	Number of workshops, training, and education sessions held (count)	6	2	8
Workshops, training, and education sessions, by sector	Sectors: Institutional;	Number of people attending (count)	70	70	140

**Impact Metrics (Enter applicable metrics)**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Energy Cost Savings</b>					
<b>Renewable Energy Capacity and Generation</b>					
<b>Energy Savings</b>					
Reduction in electricity consumption, by sector	Sectors: Commercial;	Reduction in electricity consumption (MWh/year)	0.0000		0.0000
Reduction in electricity consumption, by sector	Sectors: Industrial;	Reduction in electricity consumption (MWh/year)	0.0000		0.0000
Reduction in electricity consumption, by sector	Sectors: Institutional;	Reduction in electricity consumption (MWh/year)	0.0000		0.0000
<b>Emissions Reductions</b>					
Greenhouse gases reduced		Greenhouse gases reduced (metric tons CO2 equiv./year)	0.0000		0.0000

## U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/2011

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Commercial Sustainability Outreach Program - continued -

Activity: 6. Buildings and Facilities

## OPTIONAL METRICS

### Other Process Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Technical Assistance</b>					
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures were recommended, by sector	Sectors: Commercial;	Number of contacts (count)	0		0
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures were recommended, by sector	Sectors: Industrial;	Number of contacts (count)	0		0
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures were recommended, by sector	Sectors: Institutional;	Number of contacts (count)	0		0
<b>Building Energy Audits</b>					
Building energy audits, by sector	Sectors: Commercial;	Audits performed (count)	0		0
Building energy audits, by sector	Sectors: Commercial;	Floor space audited (sq.ft.)	0		0
Building energy audits, by sector	Sectors: Commercial;	Auditor's projection of energy savings (kWH)	0		0
Building energy audits, by sector	Sectors: Industrial;	Audits performed (count)	0		0
Building energy audits, by sector	Sectors: Industrial;	Floor space audited (sq.ft.)	0		0
Building energy audits, by sector	Sectors: Industrial;	Auditor's projection of energy savings (kWH)	0		0
Building energy audits, by sector	Sectors: Institutional;	Audits performed (count)	0		0
Building energy audits, by sector	Sectors: Institutional;	Floor space audited (sq.ft.)	0		0

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

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Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Commercial Sustainability Outreach Program - continued -

Activity: 6. Buildings and Facilities

### OPTIONAL METRICS

#### Other Process Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Building Energy Audits</b>					
Building energy audits, by sector	Sectors: Institutional;	Auditor's projection of energy savings (kWH)	0		0

### QUALITATIVE DESCRIPTIONS

<b>Infrastructure Investment Rationale</b>	<input type="checkbox"/> <b>Is Infrastructure Investment</b>
<b>What we planned to accomplish this period</b> Continue with training, member outreach, begin the reporting of recycling / energy / water numbers for 2010.	
<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b> Yes	
<b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>	
<b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>	
<b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>	
<b>Lessons Learned</b>	
<b>What we expect to accomplish during the next period</b> Have recycling, energy, water data inputted as milestones. Begin energy auditing for qualifying members New member drive	
<b>Remarks</b>	

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Convention Center LED Lighting Upgrade

Activity: 12. Lighting

Activity Status:	Active	% of Work Complete:	100
Planned Start Date:	04/01/2010	Planned End Date:	09/30/2010
Actual Start Date:	03/01/2010	Actual End Date:	12/16/2010
Proposed Activity Budget:	\$48,887.00	Planned Outlays For this Period:	\$8,028.00

## Description:

Replace current incandescent lighting with Light Emitting Diode lights (LED) in all 12 meeting rooms and Grand Hall (30,000sf ballroom). Meeting Room Bulbs Replaced: 465 Grand Hall Bulbs Replaces: 156 Fiscal and environmental savings will occur due to the longer operating life of the LED lights vs. incandescents. The LED lights have an estimated operating life Of 50,000 hours and incandescents have an operating life of 2500 and 1000 hours. 2 types of LED lights will have an ROI in under 14 months while the the 3rd type of LED will reach an ROI under 19 months. Given the significantly lower wattage used in the LED lights we estimate decreasing the amount of carbon output by approximately 174 tons of CO<sub>2</sub> / year or 1500 tons over the life of the LED lights. DOE desired outcomes from this project include: -New jobs and increased productivity to spur economic growth and community development -improved air quality and related environmental and health indicators associated with the reduction of fossil fuel emissions -Increased energy-efficiency, reduced energy consumption, and reduced energy cost through efficiency improvements in existing buildings and facilities Proposed number of jobs created, energy savings and emissions reductions reported on this sheet were developed using the DOE EECBG Estimated Expected Benefits Calculator.

### ACTIVITY MILESTONES

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Purchase order completed for vendor under existing contract, for bulbs using the Buy American Waiver dated 3/19/2010 issued by the Department of Energy								
03/22/2010	03/31/2010	48,888	03/30/2010	03/30/2010	0	0	0	Ahead
Purchase bulbs under existing contract and PO.								
05/17/2010	05/31/2010	0	06/01/2010	08/06/2010	40,859	0	40,859	Delayed
Vendor asked to seek US manufactured sources and Convention Center Staff will follow-up with Purchasing for a US manufactured vendor								
01/24/2010	02/15/2010	0	01/24/2010	03/19/2010	0	0	0	Delayed
Install LED bulbs and properly dispose of existing bulbs.								
06/01/2010	06/30/2010	0	09/01/2010	12/16/2010	0	524	524	Delayed
Vendor asked to provide detail on the method of disposal / recycling of the existing bulbs the convention center will be removing.								
01/24/2010	01/31/2010	0	01/24/2010	02/26/2010	0	0	0	Delayed
Met with vendor to receive samples of LED light bulbs for trial. Install to compare light levels to existing bulbs. The vendor was asked to supply a hard quote for the meeting room and Grand Hall bulbs.								
01/15/2010	02/15/2010	0	01/15/2010	05/31/2010	0	0	0	Delayed

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Convention Center LED Lighting Upgrade - continued -

Activity: 12. Lighting

**REQUIRED METRICS**

**Jobs Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Jobs</b>					
Hours worked		Total hours worked through Recovery Act funds (hrs)	0.0000	0.0000	0.0000
Hours worked		Total hours worked through Non-Federal funds (hrs)	0.0000		0.0000

**Financial Metrics**

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Recipient</b>				
<b>Vendor</b> Organization: Universal Recycling Technologies	\$0.00	Oct: Nov Dec \$523.86	\$523.86	\$523.86
<b>Vendor</b> Organization: GraybaR (Contract#: 0000232742)	\$40,859.00	Oct: Nov Dec	\$0.00	\$40,859.00
<b>Total:</b>	<b>\$40,859.00</b>		<b>\$523.86</b>	<b>\$41,382.86</b>
<b>Total Outlays:</b>	<b>\$40,859.00</b>		<b>\$523.86</b>	<b>\$41,382.86</b>

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Leveraged Funds</b>					
<b>Obligations</b>					
Recovery Act funds obligated		Funds Obligated (\$)	\$0	\$0	\$0
<b>Obligations (cumulative thru 03/31/10)</b>					

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/2011

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Convention Center LED Lighting Upgrade - continued -

Activity: 12. Lighting

### REQUIRED METRICS

#### Process Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
Other					
Other	Other: Other (Bulbs replaced)	Value (count)	400.0000	65.0000	465.0000

#### Impact Metrics (Enter applicable metrics)

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
Energy Cost Savings					
Dollars Saved		Dollars Saved (\$)	\$0	\$4,702	\$4,702
Renewable Energy Capacity and Generation					
Energy Savings					
Reduction in electricity consumption, by sector	Sectors: Public;	Reduction in electricity consumption (MWh/year)	0.0000	39.9296	39.9296
Emissions Reductions					
Greenhouse gases reduced		Greenhouse gases reduced (metric tons CO2 equiv./year)	0.0000	24.0342	24.0342

### OPTIONAL METRICS

#### Other Process Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
Building Retrofits					
Buildings retrofitted, by sector	Sectors: Public;	Buildings retrofitted (count)	0		0
Buildings retrofitted, by sector	Sectors: Public;	Square footage retrofitted (sq.ft.)	0		0

### QUALITATIVE DESCRIPTIONS

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Convention Center LED Lighting Upgrade - continued -

Activity: 12. Lighting

**QUALITATIVE DESCRIPTIONS**

**Infrastructure Investment Rationale**☐**Is Infrastructure Investment****What we planned to accomplish this period**

Completion of blub replacement/intallation, proper disposal of existing bulbs and completion of project.

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

Yes

**Major Activities, Significant Results, Major Findings, and Key Outcomes****Actual or Anticipated Problems or Delays and Corrective Action Plan****Products Produced or Technology Transfer Activities Accomplished During the Reporting Period****Lessons Learned****What we expect to accomplish during the next period**

The project is complete.

**Remarks**

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Code Enhancement Study

Activity: 8. Codes and Inspections

Activity Status:	Active	% of Work Complete:	10
Planned Start Date:	02/01/2010	Planned End Date:	09/30/2010
Actual Start Date:	01/11/2010	Actual End Date:	
Proposed Activity Budget:	\$200,000.00	Planned Outlays For this Period:	\$0.00

**Description:**

The City of Arlington's Community Development and Planning Department will coordinate a study of the economic and environmental impacts from potential energy code enhancements for residential and commercial development and existing building inventory. An outside consultant will help facilitate a task force comprised of various stakeholders focused on formulating Arlington's options and recommendations for enhancing the current energy code; increasing its stringency to improve environmental results through reduced emissions. The City of Arlington's current adopted energy code is the 2003 Edition of the International Energy Conservation Code (IECC) and the energy provisions of the 2003 Edition of the International Residential Code (IRC). Both the IECC and the IRC have local regional amendments promulgated by the North Central Texas Council of Governments and ratified by Energy Systems Laboratory (ESL) of the Texas A & M University System as "not less stringent than the 2001 Editions of the IECC and IRC." The ESL ratification is required by State statute before a municipality can adopt subsequent editions of the IECC and IRC beyond the 2001 editions. The City of Arlington proposes to adopt the 2009 Editions of the IECC and the IRC in 2010. As part of this adoption process, this study proposes to evaluate and recommend "above code" approaches for both new construction and the existing building inventories. The 2009 Editions of the IECC and the IRC have been found to be from about 8% to about 13% better than the current adopted code in an analysis performed by ESL for Arlington's climate zone. Additional "above code" approaches will increase that percentage. Examples of "above code" might include consideration of the following: Requirement of "cool roofs" for low slope roofs at certain threshold for both new and replacement roofs (commercial only); Prohibition of the installation of attic access stairs (horizontal) in the envelope (residential and commercial); Insulation of all hot water pipes (non circulating included) within the slab (residential and commercial); Prohibit/restrict the use of flex duct (residential and commercial); Require radiant barriers for construction where insulation is installed on top of rafters (residential and commercial); Require A/C comfort ducts to be located inside the thermal envelope (no in attics or on roofs) (residential and commercial); Prohibit electric resistant heating unless in conjunction with heat pump systems (residential and commercial); Restrict/minimize the use of incandescent bulbs/fixtures for certain new and replacement light fixtures (residential only); Increase minimum efficiency ratings for new and replacement A/C equipment from 13 to 14 (residential and commercial); Require outside air systems to be designed per ASHRAE 62 for threshold buildings (commercial only); Prohibit standing pilots for DHW heaters and furnaces (residential and commercial); Require some level of "Advanced Framing" for wood frame buildings (residential and commercial); Require duct performance testing with full mechanical system replacement (residential and commercial); Require minimum retrofit levels of attic insulation in conjunction with additions (residential and commercial). DOE desired outcomes from this project include: -New jobs and increased productivity to spur economic growth and community development -improved air quality and related environmental and health indicators associated with the reduction of fossil fuel emissions -Increased energy-efficiency, reduced energy consumption, and reduced energy cost through efficiency improvements in the building sector Proposed number of jobs created, energy savings and emissions reductions reported on this sheet were developed using the DOE EECBG Estimated Expected Benefits Calculator.

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
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U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Code Enhancement Study - continued -

Activity: 8. Codes and Inspections

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Begin study.								
09/01/2010	09/30/2010	17,000			0	0	0	
Provide budget justification to DOE to meet special terms and conditions of the award agreement.								
05/17/2010	05/31/2010	0	03/31/2010	03/31/2010	0	0	0	Ahead
Collect and address questions from potential contractors.								
02/24/2010	03/11/2010	0	03/11/2010	03/11/2010	0	0	0	On-Time
Prepare request for qualifications to hire professional services to complete study.								
11/01/2009	01/31/2010	0	11/01/2009	01/27/2010	0	0	0	Ahead
Select qualified consultant and negotiate contract.								
05/03/2010	05/14/2010	0	05/03/2010		0	0	0	On-Time
Complete workplan, timeline and deliverables.								
07/01/2010	08/30/2010	0	07/01/2010	09/07/2010	0	0	0	Delayed
Close request for qualifications and evaluate submissions								
03/12/2010	04/30/2010	0	03/12/2010	03/22/2010	0	0	0	Ahead
Release request for qualifications.								
02/08/2010	02/08/2010	0	02/08/2010	02/08/2010	0	0	0	On-Time

**REQUIRED METRICS**

**Jobs Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Jobs</b>					
Jobs created through Recovery Act funds		Number of jobs created	0.0000		0.0000

**Financial Metrics**

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/2011

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Code Enhancement Study - continued -

Activity: 8. Codes and Inspections

**Financial Metrics**

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Total:</b>				
<b>Total Outlays:</b>				

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Leveraged Funds</b>					
<b>Obligations</b>					
Recovery Act funds obligated		Funds Obligated (\$)	\$0	\$0	\$0
<b>Obligations (cumulative thru 03/31/10)</b>					

**Process Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Building Codes and Standards</b>					
Building code adoption	Old Building Code: IECC 2003; New Building Code: IECC 2009;	New and existing buildings covered by new code (count)	0		0

**Impact Metrics (Enter applicable metrics)**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Energy Cost Savings</b>					
<b>Renewable Energy Capacity and Generation</b>					
<b>Energy Savings</b>					
Reduction in electricity demand, by sector	Sectors: All sectors;	Reduction in electricity demand (MW/year)	0.0000	0.0000	0.0000
<b>Emissions Reductions</b>					

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Code Enhancement Study - continued -

Activity: 8. Codes and Inspections

**OPTIONAL METRICS**

**Other Process Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
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**QUALITATIVE DESCRIPTIONS**

Infrastructure Investment Rationale

☐ Is Infrastructure Investment

What we planned to accomplish this period

Beginning of work on the study.

Are you following the Plan? If not, describe the change in approach, and reasons for the change.

Payment and scheduling issues still under negotiation.

Major Activities, Significant Results, Major Findings, and Key Outcomes

Actual or Anticipated Problems or Delays and Corrective Action Plan

Products Produced or Technology Transfer Activities Accomplished During the Reporting Period

Lessons Learned

What we expect to accomplish during the next period

Finalize negotiations and sign contract to begin study.

Remarks

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Efficiency Conservation Action Plan

Activity: 2. Technical Consultant Services

Activity Status:	Active	% of Work Complete:	33
Planned Start Date:	10/01/2009	Planned End Date:	09/30/2012
Actual Start Date:	06/15/2009	Actual End Date:	
Proposed Activity Budget:	\$311,795.00	Planned Outlays For this Period:	\$25,983.00

## Description:

The City of Arlington will retain one full time employee over a three year period to develop and begin implementation of a sustainability action plan for the municipal organization and community, identifying and recommending the appropriate municipal emission reduction goal (currently targeting 15%) and establishing a citywide Energy Efficiency Conservation Plan. The plan will continue the work started when the City of Arlington completed a 2005 baseline emissions inventory in 2008. The Energy Efficiency Conservation Action Plan will be a road map for of the activities (policies, programs and projects) the City of Arlington, as well as its citizens and businesses will undertake to meet a GHG reduction target and identify how Arlington will conserve energy, fuel and other resources while reducing emissions and insuring that future actions, policies, programs and activities influenced by local government are carefully considered from an energy efficiency framework. As a participating member of the ICLEI Cities for Climate Protection Campaign, Arlington would likely establish a reduction goal of 15% or greater over a 10-15 year period from the 2005 emission inventory benchmark. CDM, the same consultant used to establish the 2005 baseline emissions inventory- Arlington's Carbon Footprint, for both the municipal organization and the community, would be contracted to assist City staff and selected community groups and/or organizations in completing all the various tasks to develop and begin implementation of the action plan. DOE desired outcomes from this activity include: -accelerated deployment of market-ready distributed renewable energy technologies; -improved air quality and related environmental and health indicators associated with the reduction of fossil-fuel emissions; -increased energy-efficiency, reduced energy consumption and reduced energy cost through efficiency improvements in the building, transportation and other appropriate sectors; -leverage the resources of federal, state, and local governments, utilities and utility regulators, private-sector and non-profit organizations to maximize the resulting energy, economic and environmental benefits -improved coordination of energy-related policies and programs across jurisdictional levels of governance and with other local- and community-level programs in order to maximize the impacts of this program on long term local priorities. Proposed number of jobs created, energy savings and emissions reductions reported on this sheet were developed using the DOE EECBG Estimated Expected Benefits Calculator.

### ACTIVITY MILESTONES

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Propose reduction strategy, finalize initial draft municipal action plan, present to Council and kick off community/ stakeholder meetings. Renew contract with CDM to continue EECBG funded EEAP work.								
05/16/2010	06/25/2010	4,500	09/01/2010		0	0	0	Delayed
General EECBG Grant Administration- File first quarter OMB and PAGE reports.								
01/01/2010	01/29/2010	0	01/14/2010	01/29/2010	0	0	0	On-Time
DOE site visit								
08/01/2010	08/31/2010	0	08/24/2010	08/25/2010	0	0	0	Ahead

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Efficiency Conservation Action Plan - continued -

Activity: 2. Technical Consultant Services

### ACTIVITY MILESTONES

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Establish proposed reduction goals and targets for both the municipal and commercial sectors.								
04/01/2010	04/30/2010	0			0	0	0	
General EECBG Grant Administration- Acknowledge Assistance Agreement. Complete NEPA and SHPO clearance.								
12/01/2009	02/15/2010	0	12/07/2009	05/11/2010	0	0	0	Delayed
Development of initial list of actionable items for the municipal EEAP strategy.								
02/01/2010	03/26/2010	0	02/01/2010	09/30/2010	13,500	0	13,500	Delayed
Identification of analysis criteria for action items to be included in EEAP.								
12/01/2009	03/26/2010	0	02/02/2010	09/30/2010	0	0	0	Delayed
Analysis of the 2005 Baseline Carbon Footprint, 2020 Forecast and current emissions reduction programs/activities.								
10/01/2009	04/30/2010	47,060	08/06/2009	09/30/2010	0	0	0	Delayed

### REQUIRED METRICS

Jobs Metrics					
Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
Jobs					
Jobs created through Recovery Act funds		Number of jobs created	1.0000		1.0000
Financial Metrics					
Use Of Funds		Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
EECBG Activity Outlays					
Recipient					
Direct Activity		\$81,289.09	Oct: \$0.00 Nov \$0.00 Dec \$19,348.35	\$19,348.35	\$100,637.44

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/2011

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Efficiency Conservation Action Plan - continued -

Activity: 2. Technical Consultant Services

### Financial Metrics

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Total:</b>	<b>\$81,289.09</b>		<b>\$19,348.35</b>	<b>\$100,637.44</b>
<b>Total Outlays:</b>	<b>\$81,289.09</b>		<b>\$19,348.35</b>	<b>\$100,637.44</b>

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Leveraged Funds</b>					
<b>Obligations</b>					
Recovery Act funds obligated		Funds Obligated (\$)	\$0	\$207,867	\$207,867
<b>Obligations (cumulative thru 03/31/10)</b>					

### Process Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Technical Assistance</b>					
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures were recommended, by sector	Sectors: All sectors;	Number of contacts (count)	0	0	0

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Efficiency Conservation Action Plan - continued -

Activity: 2. Technical Consultant Services

### REQUIRED METRICS

#### Impact Metrics (Enter applicable metrics)

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Energy Cost Savings</b>					
Dollars Saved		Dollars Saved (\$)	\$0		\$0
<b>Renewable Energy Capacity and Generation</b>					
<b>Energy Savings</b>					
Reduction in electricity consumption, by sector	Sectors: Commercial;	Reduction in electricity consumption (MWh/year)	0.0000		0.0000
Reduction in electricity consumption, by sector	Sectors: Public;	Reduction in electricity consumption (MWh/year)	0.0000		0.0000
Reduction in electricity consumption, by sector	Sectors: Residential;	Reduction in electricity consumption (MWh/year)	0.0000		0.0000
<b>Emissions Reductions</b>					
Criteria air pollutants reduced		Criteria air pollutants reduced (tons/year)	0.0000		0.0000

### OPTIONAL METRICS

#### Other Process Metrics

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
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### QUALITATIVE DESCRIPTIONS

Infrastructure Investment Rationale

☐ Is Infrastructure Investment

What we planned to accomplish this period

Being the public engagement process to draft the community portion of the EEAP.

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Energy Efficiency Conservation Action Plan - continued -

Activity: 2. Technical Consultant Services

**QUALITATIVE DESCRIPTIONS**

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

Yes, but due to Pam Sexton leaving the grant administration role, we are planning to expand CDMs role in the project, paying for their services with salary savings from the grant administration portion of the grant.

**Major Activities, Significant Results, Major Findings, and Key Outcomes****Actual or Anticipated Problems or Delays and Corrective Action Plan****Products Produced or Technology Transfer Activities Accomplished During the Reporting Period****Lessons Learned****What we expect to accomplish during the next period**

Get an expanded scope and contract approved, begin the public meetings (scheduled February 10th).

**Remarks**



U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/2011

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Internal Facilities Lighting Upgrade

Activity: 12. Lighting

Activity Status:	Active	% of Work Complete:	98
Planned Start Date:	07/05/2010	Planned End Date:	09/30/2011
Actual Start Date:	10/11/2010	Actual End Date:	
Proposed Activity Budget:	\$199,746.00	Planned Outlays For this Period:	\$199,746.00

**Description:**

This project will involve the replacement of fluorescent lamps and ballasts from conventional F40T12 type to more energy efficient T8 lamps in seven city buildings. In addition, lighting fixtures will be replaced in the gymnasium of one of the seven buildings. This gymnasium now is illuminated with high intensity discharge lighting and the result of converting to fluorescent lamps will result in reduced energy consumption and overall lighting improvement. East Police Station - replace 711 bulbs, 273 ballasts and install 23 occupancy sensors Southside Water Service Center - replace 1,171 bulbs, 450 ballasts and install 31 occupancy sensors Northeast Branch Library - replace 515 bulbs, 163 ballasts City Tower - replace 2,181 bulbs, 1,030 ballasts and install 79 occupancy sensors Cliff Nelson Recreation Center - replace 544 bulbs, 192 ballasts Ott Cribbs Public Safety Building - replace 3,334 bulbs, 1,465 ballasts and install 75 occupancy sensors North Water Service Center - replace 641 bulbs, 262 ballasts and install 24 occupancy sensors In June of 2009, when we began to gather data for this project, the utility provider's representative, ClearResult, indicated that upon completion of the project the utility provider would provide the city with an incentive check in the amount of \$17,6460 We have heard that this amount may increase, since the original savings estimates were based on a general lamp replacement estimate and we now have a complete count of lamps and ballasts that exceed the original estimate. DOE desired outcomes from this project include: -New jobs and increased productivity to spur economic growth and community development -improved air quality and related environmental and health indicators associated with the reduction of fossil fuel emissions -Increased energy-efficiency, reduced energy consumption, and reduced energy cost through efficiency improvements in existing buildings and facilities Proposed number of jobs created, energy savings and emissions reductions reported on this sheet were developed using the DOE EECBG Estimated Expected Benefits Calculator.

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Investigating and gather the necessary information related to the existing contract for light bulbs and ballasts to meet Buy American provisions.								
01/24/2010	02/28/2010	0	01/24/2010	05/31/2010	0	0	0	Delayed
Council approval of contractor.								
06/08/2010	06/08/2010	0	06/08/2010	06/08/2010	0	0	0	On-Time
If needed, meet with contractor to provide design and labor services while the city would purchase lamps and ballasts from another contract that meets Buy American stipulations.								
03/01/2010	03/31/2010	0	03/01/2010	03/01/2010	0	0	0	Ahead
Begin work								
07/05/2010	07/09/2010	0	10/11/2010	10/11/2010	0	0	0	Delayed

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Internal Facilities Lighting Upgrade - continued -

Activity: 12. Lighting

**ACTIVITY MILESTONES**

Planned Start	Planned Completion	Planned Amount	Actual Start	Actual Completion	Previously Reported	Actual Amount This Qtr	Actual Amount Cumulative To Date	Status
Complete 25% of work								
07/01/2010	09/30/2010	49,750	10/11/2010	12/01/2010	0	197,905	197,905	Delayed

**REQUIRED METRICS**

**Jobs Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Jobs</b>					
Jobs created through Non-Federal funds		Number of jobs created	0.0000		0.0000
Hours worked		Total hours worked through Recovery Act funds (hrs)	0.0000	1,262.0000	1,262.0000
Hours worked		Total hours worked through Non-Federal funds (hrs)	0.0000		0.0000

**Financial Metrics**

Use Of Funds	Previously Reported	Monthly Values	This Quarter Outlays	Total Cumulative To Date
<b>EECBG Activity Outlays</b>				
<b>Recipient</b>				
<b>Vendor</b> Organization: Inline Electrical Solutions of Texas (Contract#: 290-08)	\$0.00	Oct: Nov Dec      \$197,904.45	\$197,904.45	\$197,904.45
<b>Total:</b>	<b>\$0.00</b>		<b>\$197,904.45</b>	<b>\$197,904.45</b>
<b>Total Outlays:</b>	<b>\$0.00</b>		<b>\$197,904.45</b>	<b>\$197,904.45</b>

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/2011

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Internal Facilities Lighting Upgrade - continued -

Activity: 12. Lighting

**REQUIRED METRICS**

**Financial Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Leveraged Funds</b>					
<b>Obligations</b>					
Recovery Act funds obligated		Funds Obligated (\$)	\$0	\$16,377	\$16,377
<b>Obligations (cumulative thru 03/31/10)</b>					

**Process Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Building Retrofits</b>					
Buildings retrofitted, by sector	Sectors: Public;	Buildings retrofitted (count)	0		0
Buildings retrofitted, by sector	Sectors: Public;	Square footage retrofitted (sq.ft.)	0		0

**Impact Metrics (Enter applicable metrics)**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
<b>Energy Cost Savings</b>					
Dollars Saved		Dollars Saved (\$)	\$0		\$0
<b>Renewable Energy Capacity and Generation</b>					
<b>Energy Savings</b>					
Reduction in electricity consumption, by sector	Sectors: Public;	Reduction in electricity consumption (MWh/year)	0.0000		0.0000
<b>Emissions Reductions</b>					
Greenhouse gases reduced		Greenhouse gases reduced (metric tons CO2 equiv./year)	0.0000		0.0000

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

Activity Title: Internal Facilities Lighting Upgrade - continued -

Activity: 12. Lighting

**OPTIONAL METRICS**

**Other Process Metrics**

Metric Description	Group	Metric Item	Previously Reported	This Quarter	Cumulative To Date
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**QUALITATIVE DESCRIPTIONS**

<b>Infrastructure Investment Rationale</b>	<input type="checkbox"/> <b>Is Infrastructure Investment</b>
<hr/>	
<b>What we planned to accomplish this period</b>	
<hr/> Full project completion by the end of the 2010 calendar year.	
<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>	
<hr/> No, installation of final sensors and final report remain.	
<b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>	
<hr/>	
<b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>	
<hr/> Gaining access for workers to certain buildings.	
<b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>	
<hr/>	
<b>Lessons Learned</b>	
<hr/>	
<b>What we expect to accomplish during the next period</b>	
<hr/> Finish out the project, installing the final motion sensors.	
<b>Remarks</b>	
<hr/>	

U.S. Department of Energy  
**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**  
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000959

Grantee Name: City of Arlington

Reporting Period: 10/1/2010 - 12/31/201

Report Status: Approved

Grant Complete and ready for Close out: ☐

**APPROVAL HISTORY**

Action	Date	By Whom
Approved	03/09/2011 06:16:23 pm	Mitchell Duran 7203561610 mitchell.duran@go.doe.gov
	<b>Comments:</b>	
Submitted	01/31/2011 06:29:27 pm	Carol Griffith 8174596545 carol.griffith@arlingtontx.gov
	<b>Comments:</b>	